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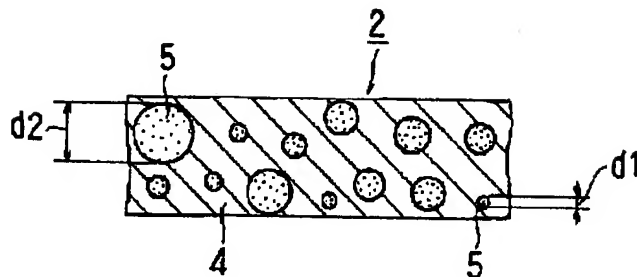
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TITLE : THERMOSETTING RESIN
COMPOSITION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a thermosetting resin compsn, which is excellent in clarity and abrasion resistance by compounding, as main ingredients, a thermosetting resin and spherical alumina in a specified ratio.

SOLUTION: One hundred pts.wt. thermosetting resin is compounded with 5-34 pts.wt. spherical alumina having an average particle size of 5-50 μm , and pref. is further compounded with up to 100 pts.wt. inorg. additive. Examples of the thermosetting resin 4 of the thermosetting resin compsn. 2 are unsatd. polyesters, guanamine resins, diallyl phthalate resins, acrylic resins, melamine resins, urea resins, and fiber-reinforced compds. of theses resins. The min. average particle size d1 of spherical alumina 5 is set at 5 μm ; and the max. average particle size d2, at 50 μm . The inorg. additive is silica, alumina or the like, and is effective in scratch prevention. Since the amt. of the spherica alumina added is relatively small, the compsn. has a high clarity and is advantageous in terms of cost.

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